

Title (en)

MET/FRET BASED METHOD OF TARGET NUCLEIC ACID DETECTION WHEREBY THE DONOR/ACCEPTOR MOIETIES ARE ON COMPLEMENTARY STRANDS

Title (de)

METHODE FÜR DEN NUKLEINSÄURENACHWEIS BASIEREND AUF MET/FRET WOBEI SICH DIE FLUOROPHOREN GRUPPEN AUF KOMPLEMENTÄREN STRÄNGEN BEFINDEN

Title (fr)

PROCEDE DE DETECTION D'UN ACIDE NUCLEIQUE CIBLE PAR UNE TECHNIQUE MET/FRET DANS LEQUEL LE DONNEUR ET L'ACCEPTEUR SONT SUR DES BRINS COMPLEMENTAIRES

Publication

EP 1509624 A2 20050302 (EN)

Application

EP 03756100 A 20030530

Priority

- IN 0300204 W 20030530
- IN 487MU2002 A 20020531

Abstract (en)

[origin: WO03102239A2] Disclosure of a method for the detection and quantitation of polynucleotide sequences in a sample of biological or non-biological material through target poly nucleotide sequence amplification by polymerase chain reaction using chemically labeled oligonucleotide amplification primers and formation of an entity between the amplified polynucleotide sequence and chemically labeled polynucleotide having a sequence complementary to the target polynucleotide sequence for determining the identity and/or presence and/or quantitation of the target poly nucleotide sequences. The chemical label covalently attached to the oligonucleotide amplification primer and polynucleotide or oligonucleotide comprise molecular energy transfer labels (donor and acceptor). It is again a very sensitive, rapid and reliable method with better sensitivity, specificity and reliability for the detection of polynucleotide sequence. It also greatly reduces the possibility of amplification product carry-over contamination and adaptable for many formats of nucleic acids amplifications and real time measurements.

IPC 1-7

C12Q 1/68

IPC 8 full level

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CPC (source: EP US)

C12Q 1/6818 (2013.01 - EP US); **C12Q 1/6851** (2013.01 - EP US); **C12Q 1/686** (2013.01 - EP US); **Y02A 50/30** (2017.12 - US)

Citation (search report)

See references of WO 03102239A2

Citation (examination)

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DOCDB simple family (application)

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